

*George***SECRET**MONTHLY REPORT  
*SPX  
File*

25X1

PAR 202 *and others*  
10 July 1964

SUBJECT: Briefing Print Enlarger

## TASK/PROBLEM

1. To design and build a prototype enlarger for exposing high-quality briefing prints in formats up to and including 20 x 24 inches in size. Magnification to be in the 10-60 diameter range. The enlarger will be able to produce both black-and-white and color prints. Changing from one capability to the other should be made with a minimum of effort.

## DISCUSSION

2. The subject project (PAR 202) and PAR 224 (3-15X Fluid Gate Enlarger) have several common design areas. Design effort on these areas is being expended on a joint basis. Three such areas which have been active during the subject report period are (a more complete discussion of each can be found under PAR 224 of this report):

- a. Negative transport system model design.
- b. Design of the family of lenses.
- c. Vacuum platen.

3. In a recent development project to provide and test a roll print stock holder for the 10-20-40X Precision Enlarger, it was concluded that "The roll form print stock system appears successful for an installation making many prints from each negative and with a delivery schedule that permits exposed prints to be collected for several hours before processing. Where only one or two prints from each negative are needed for quick delivery, the use of cut-sheet print stock for immediate processing appears preferable". Since it is our understanding that the expected use of the Briefing Print Enlarger is the latter, the enlarger will be designed to use cut-sheet print stock only unless directed otherwise by the Customer.

## PLANNED ACTIVITY

4. During the coming report period the planned activity is as follows:
- a. Commercial centrifugal blower specifications will be compared and a motor-blower suitable for operation with the enlarger will be ordered. Structural design and materials for the platen assembly will be studied.

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b. A number of drawings on the negative transport breadboard assembly will be released for fabrication.

c. Authorization will be made for the design of the family of color corrected lenses if an acceptable design quotation is obtained.

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